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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/748,363	12/29/2003	Young Gi Lee	2013P143	7778
8791 BLAKELY SO	7590 01/10/200 KOLOFF TAYLOR &	EXAMINER		
1279 OAKMEAD PARKWAY			WEINER, LAURA S	
SUNNYVALE, CA 94085-4040			ART UNIT	PAPER NUMBER
			MAIL DATE	DELIVERY MODE
			01/10/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Summany	10/748,363	LEE ET AL.				
Office Action Summary	Examiner	Art Unit	_			
	Laura S. Weiner	1795				
The MAILING DATE of this communicati Period for Reply	on appears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR MICHEVER IS LONGER, FROM THE MAILI - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communica - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, be Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNI CFR 1.136(a). In no event, however, may a tion. y period will apply and will expire SIX (6) MOI by statute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status	,					
1)⊠ Responsive to communication(s) filed or 2a)☐ This action is FINAL . 2b)∑	n <u>10 December 2007</u> . ☑ This action is non-final.	•				
3) Since this application is in condition for a	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice u	nder <i>Ex parte Quayle</i> , 1935 C.E). 11, 453 O.G. 213.				
Disposition of Claims						
 4) Claim(s) 1,2,5 and 7-14 is/are pending in 4a) Of the above claim(s) 13 and 14 is/are 5) Claim(s) is/are allowed. 6) Claim(s) 1,2 and 7-12 is/are rejected. 7) Claim(s) 5 is/are objected to. 8) Claim(s) are subject to restriction 	re withdrawn from consideration					
Application Papers						
9) ☐ The specification is objected to by the Ex	aminer.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection	= ' '	•				
Replacement drawing sheet(s) including the 11) The oath or declaration is objected to by						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892)	· · · · · · · · · · · · · · · · · · ·	Summary (PTO-413) s)/Mail Date				
 Notice of Draftsperson's Patent Drawing Review (PTO-9 Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 		nformal Patent Application				

DETAILED ACTION

Election/Restrictions

Claims 13-14 are withdrawn from further consideration pursuant to 37 CFR
 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 4-2-07.

Terminal Disclaimer

2. The terminal disclaimer filed on 12-10-07 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 7,211,352 has been reviewed and is accepted. The terminal disclaimer has been recorded. Therefore the rejection of claims 1-2, 5, 7-12 on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1, 4-10 of U.S. Patent No. 7,211,352 has been withdrawn.

Response to Arguments

3. Applicant's arguments with respect to claims 1-2, 7-12 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

4. Claims 1-2, 7-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshida et al. (6,723,467).

Yoshida et al. teaches in column 2, a battery comprising a separator interposed between a positive electrode and a negative electrode wherein the separator comprises a first porous layer containing a thermoplastic resin and a second porous layer having a higher heat resistance than that of the first porous layer laminated on the first porous layer. Yoshida et al. teaches in column 3, lines 40-45, is that the thermoplastic resin of the first porous layer can be polypropylene, polyethylene, etc. and teaches in column 3, lines 59-65, that the component forming the second porous layer can be an organic polymer, inorganic powder, organic powder, etc. Yoshida et al. teaches in column 4, lines 3-9, that the organic or inorganic material can be silica, alumina, titanium oxide, etc. Yoshida et al. teaches in column 5, lines 26-40, that the electrolytic solution containing lithium hexafluorophosphate with EC and 1,2-dimethoxyethane was injected.

Yoshida et al. claims the claimed invention except does not specifically teach that the second porous layer can comprise both an organic polymer and an inorganic material and that the first porous polymer has micro-scale morphology and the second porous film has submicro-scale morphology.

However, the invention as a whole would have been obvious to one of ordinary skill in the art at the time the invention was made because the courts have held that where only the difference between the prior art and the claimed invention was recitation of relative dimensions of the claimed material and a material having the claimed relative dimensions would not perform differently than the prior art material, the claimed material was not patentably distinct from the prior art material. See MPEP 2144.04

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use both materials an organic polymer and an inorganic material in the second porous layer taught by Yoshida et al. because it is prima facie obvious to combine two compositions each of which is taught by prior art to be useful for the same purpose in order to form a third composition that is to be used for the very same purpose. See *In re Kerkhoven, 205 USPQ 1069; In re Susi, 169 USPQ 423*..

Allowable Subject Matter

5. Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1795

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Laura S Weiner Primary Examiner Art Unit 1795

January 2, 2008